

DCA13MR002
Conrail - Shared Assets
Derailment/Hazardous Material Release
Paulsboro, New Jersey
November 30, 2012

Hazardous Materials Group Factual Report

ATTACHMENT 14 -CERTIFICATE OF
CONSTRUCTION FOR
UTLX 98041 AND UTLX 98097

APPLICATION FOR APPROVAL AND CERTIFICATE OF CONSTRUCTION

APPROVAL REQUESTED OF: ☒ Precedent ☐ AAR Tank Car Committee Ballot AAR APPLICATION NO. F-777118
 Applicant's No. 3672
 Date 10-11-77
 Applicant Union Tank Car Co., 151st & Railroad Avenue, East Chicago, IN 46312
 APPLICATION FOR APPROVAL OF: ☒ Construction ☐ Conversion ☐ Alterations ☐ Welded ☐ Repairs (Other)
 Reporting Marks UTLX (To be submitted later) Number of Cars 58
 and Car Numbers

1. Tank Specification DOT 105A300W
 2. Stenciled Specification DOT 105A300W
 3. Commodity Vinyl Chloride
 4. Initial Commodity Wt. Per Gal., Lbs. 7.68
 TANK SHELL:
 5. Full Water Capacity, Gal. 25,150
 6. Dome Capacity or Outage, Gal. N/A
 7. Material & Thickness TC-128 GR B: HEAD = 19/32
SHELL = 9/16" except center sheet = 19/32"
 8. Lining None Inside Diameter, In. 112-7/8
 9. Head Radii: Main, In. 2:1 Knuckle, In. N/A
 10. Test Pressure, PSI 300
 11. Insulation, In. 4 Kind Fiberglass
 Thermal Conductivity, BTU/Hr/Sq. Ft./°F/In. 0.26

SAFETY RELIEF DEVICES:

12. Type Safety Valve
 Number 1 Start to Discharge, PSI 247.5
 13. Flow Capacity, CFM (Air) Actual 31,820
 14. Flow Capacity, CFM (Air) Required 296
 15. Tank Surface Area, Sq. Ft. 1,555
 CAR STRUCTURE:
 16. Bolster Slabbing Area, Sq. Ft. N/A
 17. Estimated Light Wt., Lbs. 81,200
 18. Center of Gravity Loaded, In. 86.7
 19. Rail Load Limit, Lbs. 263,000
 20. Truck Capacity, Tons 100 (3-11/16" Spring Travel)
 21. *Max. Allowable Lbs./Gal. or Filling Density 86.7
 22. AAR Clearance Diagram Pl. B

NOTES: *This Filling Density Is Based On Rail Load Limit and IS Not the Maximum Permitted Filling Density Shown In DOT 173.314

The Following Drawings Apply	Drawing Number	Precedent	
		Drawing Number	Application Number
23. General Arrangement	78988-05	78988-01	A-777031-B
24. Arrangement, Tank	79540	78985	A-777031-B
25. Reinforced Openings, Including Calculations	79557	79056	A-777031-B
26. Anchorage, Including Calculations	N/A		
27. Fittings Arrangement	79009		A-777031-B
28. Manway Assembly/Cover	20074	20090	A-777031-B
29. Protective Housing	78849		A-777031-B
30. Venting, Loading and Discharge Valves	79558	79008	A-777031-B
31. Safety Relief Devices <u>MIDLAND</u>	A-34247		A-777031-B
32. Heater Systems	None		
33. Gaging Devices	B-621		A-757010
34. Bottom Outlet Valve	None		
35. Repairs			
36.			
37.			

REVISIONS:

APPLICATION BY G. J. Griger

I certify that the foregoing conforms to all applicable DOT and AAR requirements, including Specifications, Regulations, Rules of Interchange and the DOT Railroad Safety Appliance Standards.

SIGNATURE [Signature]
 TITLE Product Engineer

APPROVAL AAR Tank Car Committee Date Approved DEC 9 1977

(Signature) on behalf of Tank Car Committee

CERTIFICATION: The cars enumerated below conform to the above approved description and to all applicable DOT and AAR requirements, including Specifications, Regulations, Rules of Interchange and the DOT Railroad Safety Appliance Standards. Copy of this Certificate of Construction will be furnished to the owner and others required by 49 CFR Part 179.5 before these cars are placed in service.

Initials and Car Numbers:

Date June 14, 1978

SEE ATTACHED SHEET.

By [Signature]
 Title Product Engineer

AAR Appl. No. F-777118
Appropriation No. 3672

CERTIFICATION: The cars enumerated below conform to the above approved description and to all applicable DOT and AAR requirements, including Specifications, Regulations, Rules of Interchange and the DOT Railroad Safety Appliance Standards. Copy of this Certificate of Construction will be furnished to the owner and others required by 49 CFR Part 179.5 before these cars are placed in service.

Initials and Car Numbers:

UTLX 98001, 98003, 98006-98008, 98011 -
98013, 98022, 98024, 98026-98028, 98030,
98034, 98035, 98036, 98040, 98041, 98043,
98044, 98047-98049, 98053-98056, 98058,
98061, 98062, 98064, 98065, 98068, 98069,
98071, 98072, 98075-98077, 98079, 98080,
98082, 98086-98088, 98092, 98094, 98095,
98097-98100, 98102-98106.

June 14, 1978


** PII **

Product Engineer